

INTRODUCTION

SKYTRON's ST9 Exam Lighting System provides High quality, high performance illumination within an extremely durable light weight polymer lighthead, creating the perfect balance between performance, maneuverability, and durability. The ST9 features advanced high intensity, shadow free optics without glare. Applications include LDR, LDRP, OB/GYN, Exam, Emergency Room & Special Procedures.

FEATURES

High Intensity Illumination with up to 45,200 lux (4,200 fc) at a working distance of 42".

Advanced VSRD (Vertically Segmented Reflector Design) Optics produce a myriad of rich and vibrant lighting segments blending into a high quality, soft white column of light.

Radically Durable, Featherlight Polymer Lighthead Construction provides for optimum maneuverability and durability.

Cool, Color Corrected Light provides natural Tissue rendering with a Color Rendering Index of 93.

Non-Sterile Positioning Handle is provided on the lighthead for positioning control.

FEATURES

Sealed Lighthead provides Smooth Surfaces for easy wipe-down between cases.

Fully Adjustable Friction Points assure smooth Movements and drift free performance.

Lighthead Mounted Intensity Control provides Infinite range of intensity adjustments.

OPTIONS

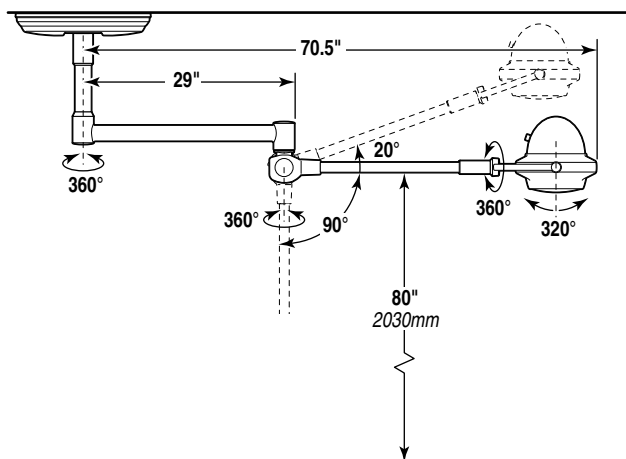
Available in ceiling mount (ST9), wall mount (ST9W), or stand mount (ST9S).

Sterilizable Positioning Handle (B4-242-02) allows surgeon control of lighthead.

ARCHITECTURAL SPECIFICATIONS

Lighting system shall consist of a 9" diameter Exam lighthead attached to a wall mounted radial arm (ST9W), a ceiling mounted radial arm (ST9), or a portable stand (ST9S). Lighthead is to be equipped with a conveniently located ON/ OFF - intensity control. Total system output is to be 45,200 lux at a color temperature of 4,000° K. Bulb is to be 24v, 75w Halogen and can be easily changed. System design is to provide cool, color corrected light that is diffused evenly over the examination site for optimum shadow reduction. System shall be SKYTRON Model ST9, ST9W OR ST9S.

ST9



NOTES ▼

1. 1/2" support rods located for total support of light, all labor and materials for mounting structure fabrication supplied by General Contractor. Fixture to be level at mounting and positioned as shown to assure proper fit of ceiling cover.
2. For support rod length over 48", two stiffener plates and two sets of Sway Bracing may be required (contact SKYTRON representative). For support rod lengths of 12" or less, sway braces may be omitted.
3. All conduit, wiring, and other electrical materials as well as installation labor for the SKYTRON surgical light to be provided by Electrical Contractor. All installations of SKYTRON surgical lights should be under the direct supervision of a SKYTRON representative. All wiring to be in accordance with local codes. 120VAC power supply to control fixture to be via DPST "On- Off" switch, not SKYTRON supplied.
4. Fixture to be level at mounting and positioned as shown to assure proper fit of ceiling cover.
5. **CONTRACTOR HAS FINAL RESPONSIBILITY** for the strength and stability of the Mounting Structure.

TECHNICAL DATA - ST9 ▼

Weight: 47 lbs.

Moment Load: 118 ft. lbs.

Ceiling Height: Min. - 8'-2", Max. - 10'-4". Based on 80" working clearance under balance mechanism.

(Consult your local SKYTRON representative for recessed or other special applications.)

Mounting Structure: Provided by others.

GENERAL TECHNICAL DATA

Electrical: 120v, 60 Hz, 1 phase

Power Consumption: 75 watts (255 BTU/ hr.)

Amperage: Approximately .6 amp, fuse protected

Intensity: 4,200 fc (45,200 lux)

Color Temperature: 4,000° K

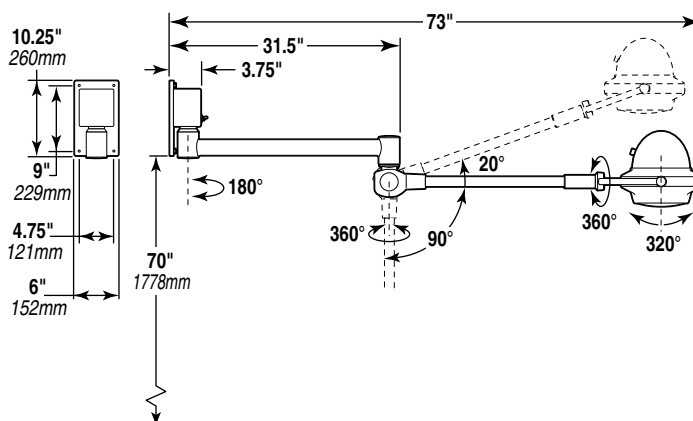
Beam Temperature: Less than 25,000 microwatts per sq. centimeter as recommended by the I. E. S. handbook.

Current Leakage: Less than 100 microamps

Bulb Type: Halogen 24v/ 75w

**CONSULT SPECIFIC SEISMIC
CALCULATIONS IF APPLICABLE**

ST9W



NOTES ▼

1. All hardware, labor and materials necessary for mounting to be supplied by others.
2. Power Cord Twist Lock Plug requires NEMA L5-15R, 15A, 125V receptacle; Hubbell HBL4710 or equivalent.

TECHNICAL DATA - ST9W ▼

Weight: 33 lbs.

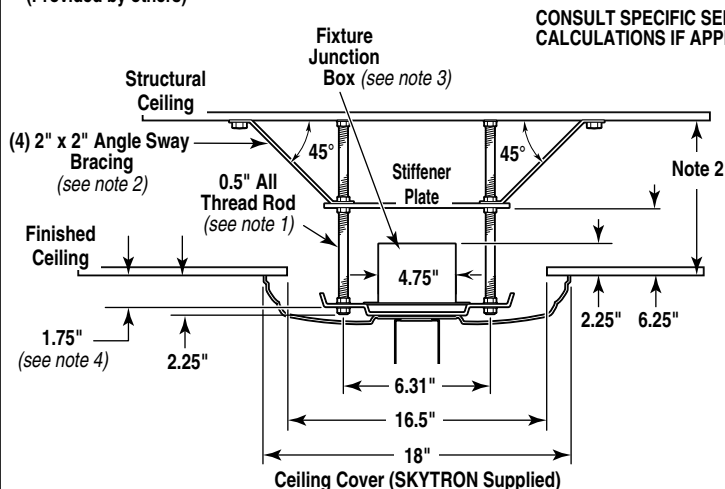
Moment Load: 118 ft. lbs.

Power Cord: Approximately 12 foot power cord with 15A Twist Lock

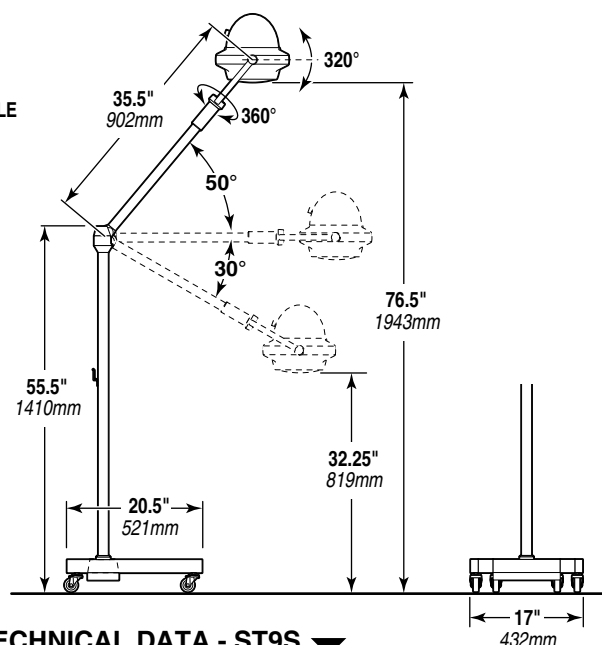
Mounting Structure: Provided by others.

MOUNTING STRUCTURE GUIDELINE

(Provided by others)



**CONSULT SPECIFIC SEISMIC
CALCULATIONS IF APPLICABLE**



TECHNICAL DATA - ST9S ▼

Weight: 42 lbs.

Power Cord: Approximately 12 foot power cord with standard three-prong hospital grade plug.